

Illinois Department of Transportation  
Bureau of Materials and Physical Research  
**APPROVED LIST OF SUPPLIERS FOR FINELY DIVIDED MINERALS**  
**September 1, 2006**

**This list supersedes the July 14, 2006 list.**

Applicable Special Provisions

Current Policy Memorandum, "Acceptance Procedure for Finely Divided Minerals Used in Portland Cement Concrete and Other Applications."

## FLY ASH

<b><u>SUPPLIER:</u></b>	<b>Ameren Services</b> , 1901 Chouteau Ave., P.O. Box 66149, MC611, St. Louis, MO 63166 (Contact: Bret Brown, Asset Management Executive, Ph: 314-554-2145 FAX: 314-554-4188)
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<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> <sup>c</sup>	<u>Average Specific Gravity</u>
Ameren Energy Gen. Co. <sup>A, B</sup> Newton Power Station Newton, IL	1, 2	50793-01	C	37801	3.0	2.66

<b><u>SUPPLIER:</u></b>	<b>Chicago Cement, Inc.</b> , 2255 S. Lumber St., Chicago, IL 60616 (Contact: Lee Crisp, Quality Assurance Manager, Ph: 312-432-8100 FAX: 312-432-8101)
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<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> <sup>c</sup>	<u>Average Specific Gravity</u>
Dominion <sup>B, D</sup> State Line Energy, LLC Hammond, IN	3	52103-20	C	37801	2.6	2.66

<b><u>SUPPLIER:</u></b>	<b>Headwaters Resources</b> , 4043 N. Euclid Avenue, Bay City, MI 48706 (Contact: Donna VanSumeren, Ph: 989-671-1500 FAX: 989-671-1504)
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<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> <sup>c</sup>	<u>Average Specific Gravity</u>
Alliant Utilities <sup>B</sup> Burlington Station Burlington, IA	1	52203-05	C	37801	3.7	2.77
Ameren Energy Gen. Co. <sup>A, B</sup> Edwards Power Station Bartonville, IL	2,3	51433-01	C	37801	2.4	2.61
Associated Electric <sup>A, B</sup> Thomas Hill Station Clifton, MO	3	52303-06	C	37801	3.1	2.63
Dynegy Midwest <sup>A, B</sup> Baldwin Power Station Baldwin, IL	3	51573-01	C	37801	3.4	2.70
Dynegy Midwest <sup>B</sup> Havana Power Station Havana, IL	6	51253-01	C	37801	3.0	2.60

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<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> <sup>c</sup>	<u>Average Specific Gravity</u>
Dynegy Midwest <sup>B</sup> Hennepin Station Hennepin, IL	1, 2	51553-01	C	37801	3.1	2.69
Dynegy Midwest <sup>A, B</sup> Vermilion Station Oakwood, IL	1, 2	51833-01	C	37801	2.8	2.63
Dynegy Midwest <sup>B</sup> Wood River Power Plant Alton, IL	4,5	51193-94	C	37801	3.2	2.67
IEC, Inc. <sup>B</sup> Ottumwa Station Near Chillicothe, IA	1	52203-02	C	37801	3.8	2.67
IN-KY Electric <sup>A</sup> Clifty Creek Plant Madison, IN	1	52103-28	F	37802	1.0	2.59
Interstate Power Co. <sup>B</sup> Lansing Generating Station Lansing, IA	1	52203-06	C	37801	3.5	2.78
Interstate Power Co. <sup>B</sup> M.L. Kapp Power Station Clinton, IA	1	52203-10	C	37801	3.6	2.78
Mid American Energy <sup>A, B</sup> Louisa Station Near Muscatine, IA	1	52203-01	C	37801	3.5	2.65
Mid American Energy <sup>A, B</sup> Port Neal Station Sioux City, IA	3	52203-07	C	37801	3.6	2.68
Mid American Energy <sup>A, B</sup> Port Neal Station Sioux City, IA	4	52203-08	C	37801	3.7	2.61
N. Indiana Public Service <sup>A, B</sup> Schahfer Power Station Wheatfield, IN	15	52103-18	C	37801	2.6	2.61
Sikeston Power Plant <sup>A, B</sup> Sikeston Station Sikeston, MO	1	52303-05	C	37801	2.7	2.64

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**SUPPLIER:**    **Lafarge North America**, 20408 W. Renwick Rd., Lockport, IL 60441-0089  
(Contact: Brian Borowski, Quality Assurance Manager, Ph: 800-323-5949/Ext.307   FAX: 630-505-0330)

<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> <sup>c</sup>	<u>Average Specific Gravity</u>
Alliant Power <sup>B</sup> Columbia Station Portage, WI	1, 2	52403-03	C	37801	4.0	2.76
Alliant Power <sup>A, B</sup> Edgewater Station Sheboygan, WI	5	52403-05	C	37801	2.8	2.67
EME Midwest Generation <sup>B, D</sup> Crawford Station Chicago, IL	7, 8	50313-53	C	37801	2.9	2.71
EME Midwest Generation <sup>B, D</sup> Fisk Station Chicago, IL	19	50313-51	C	37801	3.1	2.71
EME Midwest Generation <sup>B</sup> Joliet Station Joliet, IL	7, 8	51973-64	C	37801	3.2	2.75
EME Midwest Generation <sup>B, E</sup> Waukegan Station Waukegan, IL	7, 8	50973-16	C	37801	3.8	2.76
EME Midwest Generation <sup>B</sup> Will County Station Romeoville, IL	3, 4	51973-18	C	37801	3.3	2.74
Muscatine Power & Water <sup>B</sup> Muscatine Station Muscatine, IA	9	52203-04	C	37801	2.7	2.68
We-Energies <sup>B</sup> Oak Creek Station Oak Creek, WI	7,8	52403-06	C	37801	3.3	2.67
We-Energies <sup>A, B</sup> Pleasant Prairie Station Near Kenosha, WI	1, 2	52403-02	C	37801	2.7	2.52
Wisconsin Public Service Corp. <sup>A, B</sup> Weston Station Rothschild, WI	1,2,3	52403-07	C	37801	2.5	2.62

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**SUPPLIER:** Mineral Resource Technologies, Inc. - A Cemex Company, 2700 Research Forest Drive, Suite 150, The Woodlands, TX 77381-4226  
(Contact: James Hicks, Director Technology Center, Ph: 800-615-1100 FAX: 281-362-0370)

<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> <sup>c</sup>	<u>Average Specific Gravity</u>
Ameren UE <sup>A, B</sup> Rush Island Power Station Festus, MO	1, 2	52303-07	C	37801	3.5	2.81
Electric Energy Power <sup>A, B</sup> Joppa Power Station Joppa, IL	3, 4	51273-01	C	37801	3.7	2.71
Indianapolis P & L Co. <sup>A</sup> Petersburg Power Station Petersburg, IN	3, 4	52103-12	F	37802	0.0	2.57
Union Electric <sup>A, B</sup> Labadie Station Labadie, MO	1, 2	52303-04	C	37801	3.1	2.71

<sup>A</sup> Recent test data has shown that the average available alkalis, as equivalent Na<sub>2</sub>O, of the fly ash from this source is less than 1.50%. However, this does not necessarily ensure that fly ash in subsequent shipments will continue to exhibit this property. Users are advised to request current test data showing that fly ash from this source is below any applicable specification requirement.

<sup>B</sup> Recent test data has shown that the average calcium oxide (CaO) of the Class C fly ash from this source is 18%, or greater, and the loss on ignition (LOI) is less than 2.0%. However this does not ensure that fly ash in subsequent shipments will continue to exhibit these properties. Users are advised to request current test data for CaO and LOI when specifying fly ash meeting these requirements.

<sup>C</sup> The R value, an indicator of the relative sulfate resistance of a fly ash, is a ratio of calcium to iron oxide expressed as follows:  

$$R = (\% \text{ CaO} - 5) \div (\% \text{ Fe}_2\text{O}_3).$$

<sup>D</sup> Fly ash from this source shall not be used as a partial replacement for portland cement that is manufactured by St. Mary's Cement Co., Charlevoix, MI (P/S # 2207-06).

<sup>E</sup> Fly ash from this source shall not be used as a partial replacement for portland cement that is manufactured by St. Mary's Cement Co., Dixon, IL (P/S # 2207-05)

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## GROUND GRANULATED BLAST-FURNACE SLAG

<b><u>PRODUCER/SUPPLIER:</u></b>	<b>Buzzi Unicem USA, Inc.,</b> 14900 Intracoastal Drive, New Orleans, LA 70129 (Contact: Ron Rajki, Quality Manager, Ph: 504-254-6454 FAX: 504-254-6458)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Buzzi Unicem USA, Inc. <sup>E</sup> New Orleans Plant 14900 Intracoastal Drive New Orleans, LA 70129	6097-05	120	37822	2.87

<b><u>PRODUCER/SUPPLIER:</u></b>	<b>Holcim (US) Inc.,</b> 3020 East 103 <sup>rd</sup> Street, Chicago, IL 60617 (Contact: Kervin Carrette, Quality Supervisor, Ph: 773-978-8280 FAX: 773-768-5997)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Holcim (US) Inc. <sup>E</sup> Chicago Grinding Plant 3020 East 103rd Street Chicago, IL 60617	544-07	100	37821	2.87

<b><u>PRODUCER/SUPPLIER:</u></b>	<b>Lafarge North America,</b> 2150 E. 130th St., Chicago, IL 62633 (Contact: Carley Burton, Quality Control Manager, Ph: 773-646-3150 FAX: 773-646-3360)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Lafarge North America <sup>E</sup> South Chicago Grinding Facility 215 E. 130th Street Chicago, IL 62633	4116-07	120	37822	2.91

<b><u>PRODUCER/SUPPLIER:</u></b>	<b>Lafarge North America,</b> 2500 Portland Road, Grand Chain, IL 62941 (Contact: Eric Bowman, Quality Coordinator, Ph: 618-543-7541 FAX: 618-543-7413)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Lafarge North America <sup>E</sup> Joppa Plant Grand Chain, IL 62941	4116-05	120	37822	2.88

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<b><u>PRODUCER/SUPPLIER:</u></b>	<b>St. Marys Cement Inc. (U.S.),</b> 9333 Dearborn Street, Detroit, MI 48209 (Contact: Ken Kirkpatrick, Manager, Technical Services, Ph. 313-849-4540)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
St. Marys Cement <sup>E</sup> Milwaukee Plant 1975 Carferry Drive Milwaukee, WI 53207	2207-04	120	37822	2.92

<sup>E</sup> Recent test data has shown that the average available alkalis, as equivalent Na<sub>2</sub>O, of the ground granulated blast-furnace (GGBF) slag from this source is less than 1.00%. However, this does not necessarily ensure that GGBF slag in subsequent shipments will continue to exhibit this property. Users are advised to request current test data showing that GGBF slag from this source is below any applicable specification requirement.

## HIGH REACTIVITY METAKAOLIN (HRM)

<b><u>PRODUCER/SUPPLIER:</u></b>	<b>Advanced Cement Technologies, LLC,</b> 435 Martin St., Suite 2040, Blaine, WA 98231 (Contact: Ken McPhalen, Manager-Technical Services, Ph: 360-332-7060 FAX: 360-332-9321)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Grace Davison <sup>F</sup> 213 Kaolin Road Aiken, SC 29801	6206-01	37803	2.67

<b><u>PRODUCER/SUPPLIER:</u></b>	<b>Engelhard Corp.,</b> 25 Middlesex-Essex Turnpike, Iselin, NJ 08830-2708 (Contact: Tony Reed, Technical Service, Ph: 732-205-5398 FAX: 908-205-5300)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Engelhard Corporation <sup>F</sup> Highway 18 Spur Gordon, GA 31031	5554-01	37803	2.50

<sup>F</sup> Recent test data has shown that the average available alkalies, as equivalent Na<sub>2</sub>O, of the HRM from this source is less than 1.00%. However, this does not necessarily ensure that HRM in subsequent shipments will continue to exhibit this property. Users are advised to request current test data showing that HRM from this source is below any applicable specification requirement.

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## MICROSILICA

<b><u>PRODUCER/SUPPLIER:</u></b>	<b>Elkem Materials, Inc.,</b> Rt. 60, Alloy, WV 25002 (Contact: Ed A. Mays, Quality Manager, Ph: 304-779-3200 FAX: 304-779-3244)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Elkem Metals Co. <sup>G</sup> Route 60 Alloy, WV 25002	4154-01	37852	2.15

<sup>G</sup> Recent test data has shown that the average available alkalies, as Na<sub>2</sub>O, of the microsilica from this source is less than 1.00%. However, this does not necessarily ensure that microsilica in subsequent shipments will continue to exhibit this property. Users are advised to request current test data showing that microsilica from this source is below any applicable specification requirement.